

Software Release Notice

System: WGS

Release: WGS 4.5.3

Date: October 29, 2002

Modification Description:

- Supports setting of small step, large step, kA Azimuth and Elevation accelerations, kV velocity by editing the file test.cfg in the etc directory. (Fixed this feature from WGS 4.5.2)
- Increases pedestal equipment longevity. The firmware and software places less stress on the mechanical components of the pedestal by moving at slower speeds for all moves except prepass and allowing the pedestal to slow down using the motors before applying the brakes. (No change from WGS 4.5.2, this just reinstalls it).

Files Affected:

- Nasa
- pedcont
- testexec

Hardware Requirements:

N/A

Validation Procedures:

Validation of the NASA 4.5.3 software is conducted by performing all the actions needed for performing servo tests, stow, and prepass.

Known Bugs or Limitations:

Installation Procedure:

Create a rel4.5.3 directory in the /home/aaas/releases directory.

Copy the rel4.5/bin to the new rel4.5.3/bin directory. Thus creating a rel4.5.3/bin directory.

Copy wgs4.5.3.tar.Z to the /home/aaas/releases/rel4.5.3 directory and use the following commands...

```
> cd /home/aaas/releases/rel4.5.3  
> uncompress -c wgs4.5.3.tar.Z | tar xvf -
```

Copy the 3 programs (listed above), located on the patch, into the rel4.5.3/bin directory. Thus replacing the 3 programs already in the rel4.5.3/bin directory.

Copy the rel4.5/etc to the new rel4.5.3/etc directory. Thus creating a rel4.5.3/etc directory.

Rename the tapelog files, ephtxt.txt and the config directory in the rel4.5/etc directory so that they can be replaced with a symbolic link. Then create symbolic links of those files and directory to rel4.5.3/etc/... By creating those links the configuration files are kept up to date no matter what release of software is activated.

Create a script in the login directory for the old release named, sw4.5 which will remove the links under /aaas for bin and etc and restore them to rel4.5/bin and rel4.5/etc. Create a script called sw4.5.3 which will remove the links under /aaas/ for bin and etc and link them to rel4.5.3/bin and rel4.5.3/etc.

Activation Procedure:

SCC 4.5.3 activation procedure is used when switching from release 4.5 to 4.5.3 after the installation procedure is performed above:

(1) Select option "Exit" from the "Session" menu. This action will close the SCC graphical user interface (GUI) and stop all SCC processes. Hit "enter" to display the SCC command prompt, "wgs11m-1>".

(2) Type "sw4.5.3" to switch to SCC release 4.5.3. Type "Start" to start the SCC processes. The SCC GUI main window will show "WGS Version 4.5.3".

Reversion Procedure:

SCC 4.5 reversion procedure is used to revert back to release 4.5 after the installation procedure is performed above and after release 4.5.3 is activated:

(1) Select option "Exit" from the "Session" menu. This action will close the SCC graphical user interface (GUI) and stop all SCC processes. Hit "enter" to display the SCC command prompt, "wgs11m-1>".

(2) Type "sw4.5" to switch to SCC release 4.5. Type "Start" to start the SCC processes. The SCC GUI main window will show "WGS Version 4.5".

Documentation Affected:

N/A

Comments:

Approval:

The software modifications described in this release notice has been validated and accepted.

**Software
Technical Lead:**

Date:

SERB Approved:

Date:

CM Approved:

Date:

**Operations
Approval to Install:**

Date:

Installed By:

Date:

Testing Approved:

Date:

**Operations
Acceptance:**

Date:
